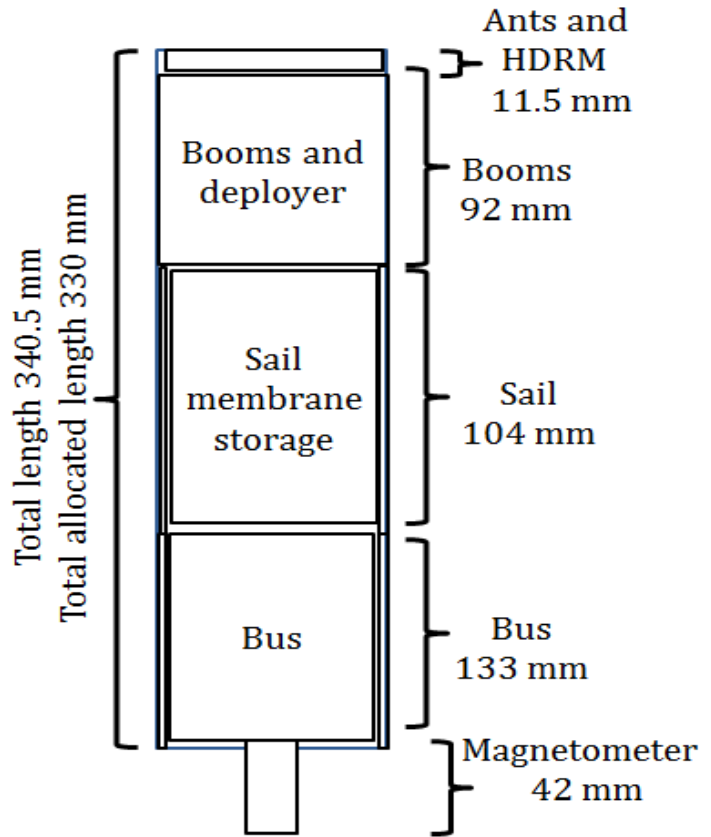




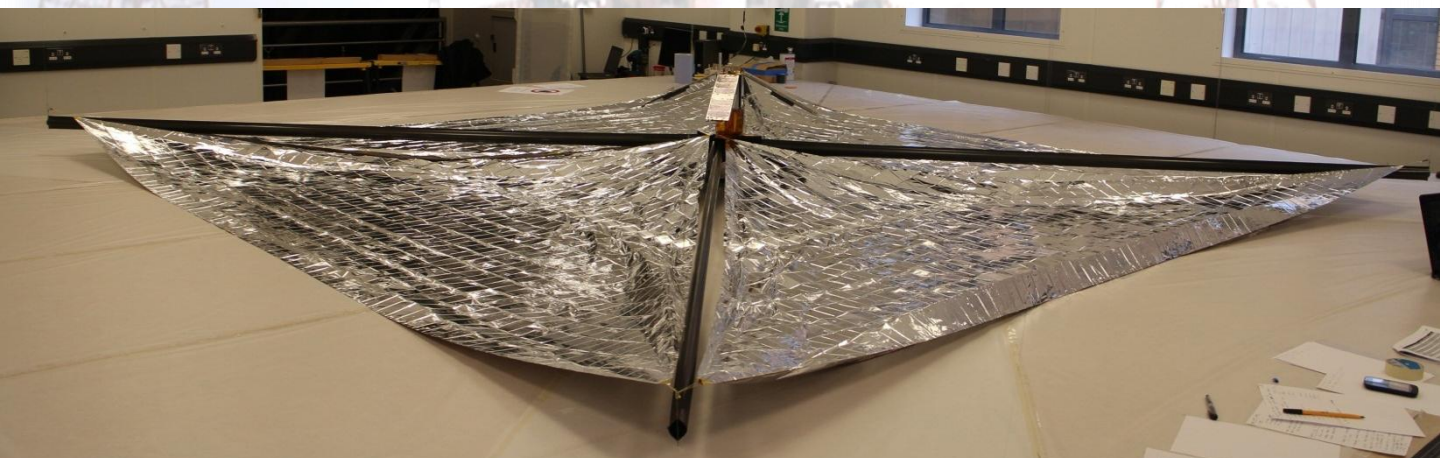
The DeorbitSail project is a collaboration to build a 3U CubeSat sized satellite with a deployable sail that will demonstrate rapid deorbiting



DeorbitSail Flight Model



DeorbitSail Concept

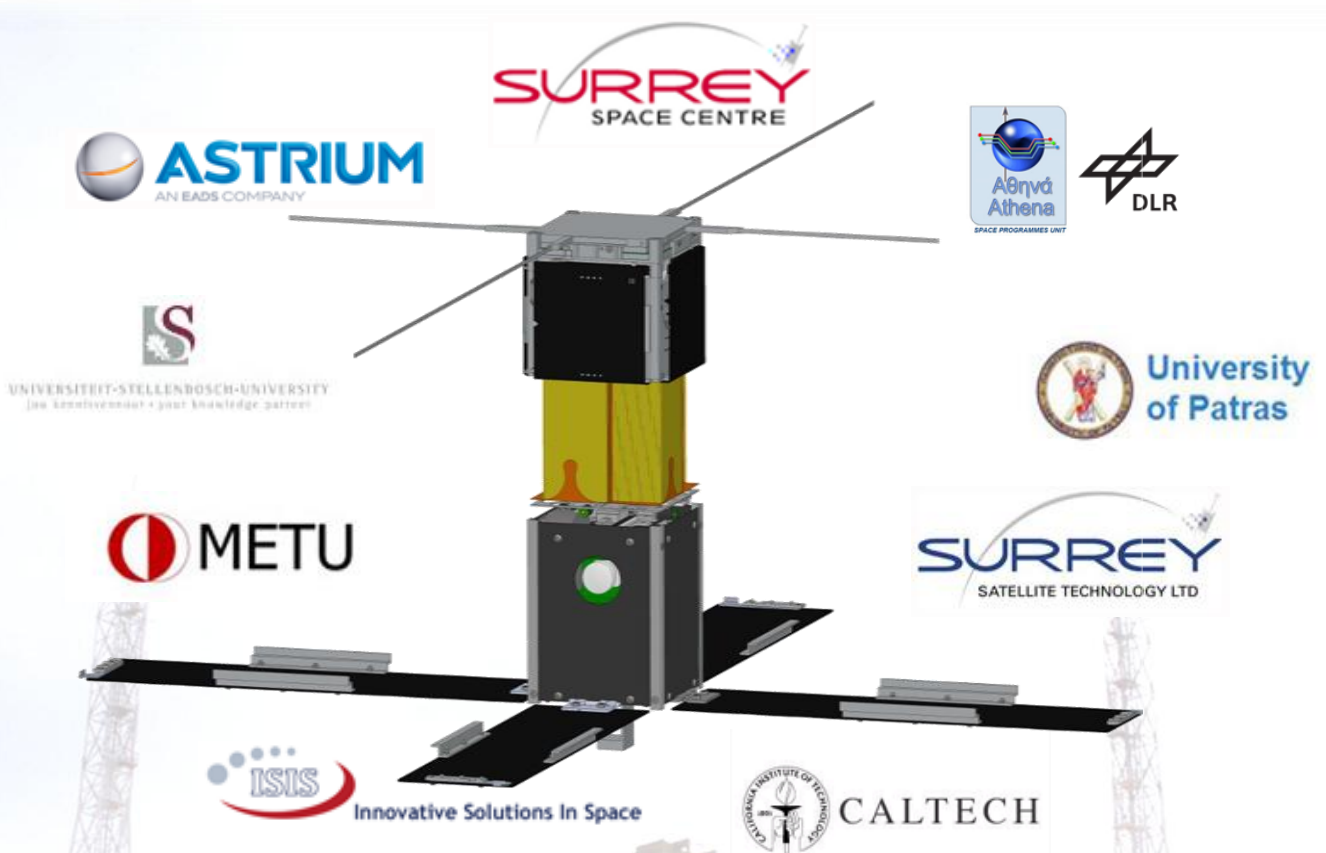


Sail Deployment



A European Commission FP7 project





## Specifications:

- Satellite Dimensions : 3U (10 cm x 10 cm x 34 cm)
- Sail Dimension : 4 m x 4 m
- Deorbit Time : Less than 180 days
- Launch Station : SLP, SDSC SHAR , India
- Launch Date & Time : 10<sup>th</sup> July '15 / 16:27 hrs UTC
- Altitude : 600 km
- Orbit : Polar Sun - synchronous

## Objectives:

- Provide research in the field of deorbiting
- Provide a demonstrated and verified design for deorbiting of satellites and debris
- Provide effective and efficient in-space propulsion technologies based on solar sails

## Website:

[http://www.surrey.ac.uk/ssc/research/space\\_vehicle\\_control/deorbit\\_sail/index.htm](http://www.surrey.ac.uk/ssc/research/space_vehicle_control/deorbit_sail/index.htm)